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## Frontier Mining Ltd (“Frontier” or “the Company”)

### Results of 2005 Baitimir Copper/Gold Exploration Programme

Frontier is pleased to announce the results of its 2005 exploration programme at the Baitimir copper/gold commercial discovery area.

#### Highlights

- Internal evaluation of surface alteration mapping, drill results, copper in soil geochemistry, and chargeability geophysics indicate that the presently defined 2 km<sup>2</sup> Baitimir oxide deposit may lie above an oxide/sulphide porphyry copper/gold system
- Drilling shows that soil geochemical anomalies above 0.1% copper contain a significantly larger zone of both oxide and sulphide copper mineralisation over an area measuring 1.5 kilometres by 650 metres
- The total mineralised thickness of each of the 10 mineralised holes ranged from 3 metres to 83.5 metres with an average total mineralised thickness of 40.8 metres
- The grade of copper in the total mineralised zones of each of the 10 mineralised holes ranged from 0.15% to 0.87% copper with an average grade of 0.41% copper
- The preliminary inferred geologic resource (P1) covering the presently defined Baitimir oxide deposit and porphyry copper/gold system is estimated by management to be 840,000 tonnes (1.85 billion lbs) of contained copper
- Approximately 30% (252,000 tonnes or 556 million lbs) of the total estimated resource is contained in oxide ore expected to be amenable to SX-EW technology
- Mineralisation includes gold and molybdenum.
- Management believes there is significant potential to increase the copper resource outside the presently defined 2 km<sup>2</sup> Baitimir deposit area

The 2005 exploration programme covered approximately 10km<sup>2</sup>, just 9% of the total 111.3km<sup>2</sup> project area. The programme included 6km<sup>2</sup> of alteration mapping, 2,059 soil geochemical samples covering an area of 4.3km<sup>2</sup>, a ground magnetic survey covering an area of 4.3km<sup>2</sup>, Induced Polarization and Chargeability geophysics covering an area of 4.3 km<sup>2</sup>, and 1,785 metres of drilling consisting of 15 core holes ranging in depth from 72.5m to 175m.

Brian Savage, CEO of Frontier comments, “We are very pleased with our findings at Baitimir which, while in line with our previous expectations, have served to expand the potential of this project significantly. Work to date has concentrated on a small proportion of our entire licence area and we are excited about the potential of the size and scope of this project. We look forward to reporting on our subsequent drilling and anticipated increased resource estimates in due course.”

## Baitimir oxide deposit and porphyry copper/gold system resource summary

Deposit	Present size (km <sup>2</sup> )	Cu Ore (m/t)	Cu Grade (%)	Contained Copper (tonnes)
Baitimir oxide	2	63	0.40	252,000
Baitimir porphyry	2	147	0.40	588,000
Total oxide and porphyry	2	210	0.40	840,000

It should be noted that:

(i) Baitimir is believed to contain gold and molybdenum mineralization. However, the gold and molybdenum resources at Baitimir are currently undefined, and;

(ii) the porphyry system hosts both oxide and sulphide mineralisation.

### 2005 Baitimir Copper/Gold Exploration Programme

The results of the 2005 Baitimir copper/gold exploration programme incorporates a small amount of work that was performed in the last quarter of 2004. The work undertaken under the exploration programme is set out below:

#### Hydrothermal alteration mapping

This was conducted at a scale of 1:10,000 and covered a 6km<sup>2</sup> area using specially acquired Ikonos satellite panchromatic imagery with a 1m resolution as the basis for mapping. The following significant finds were identified:

- Alteration zoning typical for porphyry copper systems were found to exist and were mapped as follows:
  - propylitic: 0.16 km<sup>2</sup>
  - phyllic: 0.19 km<sup>2</sup>
  - quartz-sericite coinciding with oxide mineralisation: 0.16 km<sup>2</sup>
- Malachite-bearing oxide outcrops: 3 km<sup>2</sup>
- Widespread brecciation

#### Copper and gold soil geochemical survey

The geochemical survey covered a total 4.3 km<sup>2</sup>. Sampling was undertaken on a 200m by 40m grid and yielded 566 samples. More detailed sampling was carried out in intensely mineralised areas on a 50m by 20m grid and yielded an additional 1,493 samples.

- 4 large anomalies were identified; although some assays are still pending
- Anomalies with copper varying from 500 ppm to 1,000 ppm cover a 0.13 km<sup>2</sup> area
- Anomalies with more than 1,000 ppm copper cover 0.04 sq. km<sup>2</sup>

#### Ground magnetic survey

A total of 4.3 km<sup>2</sup> was covered by this survey which was conducted on a 100m by 10m grid. Half of a granodiorite intrusive that hosts copper-gold mineralisation is outcropped and half is covered by a 10m to 25m thick veneer of basalts.

## Induced Polarisation/ Chargeability survey

This survey also covered 4.3 km<sup>2</sup> and was conducted on a 400m by 25m grid. The purpose of the survey was to firstly define sulphide mineralisation zones and secondly trace them at depth.

The survey produced the following results:

- several significant chargeability anomalies with intensity to 40 millivolt per volt were recorded, which may also be referred to as 10% anomalies, where the percentage is the measurement of the back current, indicating the presence of substantial sulphide mineralisation.
- such intensity is typical for the “good” part of a porphyry copper deposit; and
- chargeability anomalies are traced to a depth of 200m but are seen to continue at depth as the survey extended beyond 200m.

## Diamond drilling programme at Baitimir

A total of 15 holes were drilled totaling 1,785 metres. Ten of these holes, totaling 1,370 metres, were drilled within the copper soil geochemical anomalous zone, and the remaining holes indicated the outer limit of mineralisation. The drilling programme was designed to test gold and copper soil geochemical anomalies and induced polarization-chargeability anomalies and provide data for copper and gold resource estimation in each prospect to serve as part of the proposed pre-feasibility study

Results of the drilling programme found that:

- the thickness of the copper intervals vary from 10.5m to 83.5m
- Oxide copper grades vary from 0.1% to 3.52%
- Gold grade in the 10 holes averaged about 0.25 gramme per tonne (“gpt”)
- Associated molybdenum mineralisation has an average thickness of 2m and a grade of 0.06% Mo, reaching 0.33% Mo in places

## Future plans

Based on the results of the 2005 Baitimir copper/gold exploration programme and the positive metallurgical test results from Beschoku and Yubileiny, the management believes that it would be feasible to develop the Baitimir oxide deposit using SX-EW technology. Accordingly, the following work is planned for the 4<sup>th</sup> quarter of 2005 and 1<sup>st</sup> quarter of 2006:

- Metallurgical testing at VNIITsVETMET Laboratories at Ust-Kamenogorsk is planned for December 2005
- The final report of the 2005 Baitimir copper/gold exploration programme is scheduled to be completed in the near future. This report will be used as the basis for scoping a pre-feasibility study during the first quarter of 2006
- Additional drilling is planned for 2006, as part of the proposed pre-feasibility study, to upgrade resources to reserves. It is planned to report resources and reserves using both JORC and Kazakhstani standards

## Enquiries

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## About Frontier

Frontier Mining Ltd. is a mineral exploration and development company that was incorporated in the state of Delaware, USA, on August 5, 1998 for the purpose of exploring and developing gold and copper deposits in the Republic of Kazakhstan. Through its subsidiaries and affiliates, Frontier locates, evaluates, acquires, explores and develops mineral properties.

Frontier has two licenses owned by its wholly owned subsidiaries in Kazakhstan. They are the Naimanjal exploration and mining licence, held by FML Kazakhstan, and the Baltemir exploration licence, held by Baltemir LLP. Frontier has one producing gold mine, Naimanjal; one pre-feasibility stage gold project, Koskuduk; and one exploration stage gold prospect, Baltemir. Naimanjal is forecast by management to produce 25,000 ounces of gold in 2006 at a cash cost of \$250 per ounce. Frontier currently intends to double its gold production to 50,000 ounces in 2007 and double it again to 100,000 ounces in 2008. Management believes its gold projects contain more than two million ounces of oxide gold resource.

Frontier also has one pre-feasibility stage copper porphyry deposit with associated gold and molybdenum, Baitimir; and several copper/gold prospects along a 25-km trend including both VMS and porphyry types. Metallurgical tests on its Beschoku and Yubileiny copper projects confirm the oxide copper ore is amenable to extraction using low cost SX-EW technology. Management believes the copper projects contain more than 1,000,000 tonnes (2.2 billion pounds) of copper (P1) resource with significant potential for increase. Frontier is currently evaluating acquisition opportunities in uranium, gold, and copper in Kazakhstan and the CIS countries.

Frontier shares are traded on the AIM market of the London Stock Exchange. Frontier has 89,209,931 ordinary shares issued and 10,723,747 outstanding options and warrants, giving 99,933,678 fully diluted ordinary shares.

Further company information may be accessed at the Frontier Mining Ltd. website at: [www.frontiermining.com](http://www.frontiermining.com)

## Baitimir 2005 Drill Hole Programme

### Summary copper assay results above 0.1% cu cut-off

Important note:

Total for the "To" column refers to the total drill hole depth

Total for the "Thickness, m" column refers to the sum of the thickness intervals in each hole

Ave is the weighted average grade of copper in the mineralised zones

Hole No.	Site	From (m)	To (m)	Thickness, (m)	Cu, %
BAI-1	Baitimir	19.5	23.0	3.5	0.26
BAI-1	Baitimir	42.0	48.0	6.0	0.35
BAI-1	Baitimir	60.0	84.0	24.0	0.37
BAI-1	Baitimir	87.0	93.0	6.0	0.20
BAI-1	Baitimir	97.5	102.0	4.5	0.16
BAI-1	Baitimir	112.0	129.0	17.0	0.62
total or ave			173.6	61.0	0.40

Hole No.	Site	From (m)	To (m)	Thickness, (m)	Cu, %
BAI-2	Baitimir	9.0	13.5	4.5	0.12
BAI-2	Baitimir	21.0	23.9	2.9	0.19
BAI-2	Baitimir	30.5	37.0	6.5	0.16
BAI-2	Baitimir	64.8	67.3	2.5	0.94
total or ave			99.0	16.4	0.27

Hole No.	Site	From (m)	To (m)	Thickness, (m)	Cu, %
BAI-3	Baitimir	34.0	35.4	1.4	0.26
BAI-3	Baitimir	35.4	37.0	1.6	0.45
BAI-3	Baitimir	37.0	38.5	1.5	0.65
BAI-3	Baitimir	43.0	44.5	1.5	0.42
BAI-3	Baitimir	69.5	74.0	4.5	1.10
total or ave			175.0	10.5	0.73

Hole No.	Site	From (m)	To (m)	Thickness, (m)	Cu, %
BAI-5	Baitimir	0.2	17.7	17.5	0.29
BAI-5	Baitimir	20.1	35.1	15.0	0.59
BAI-5	Baitimir	42.6	50.1	7.5	0.20
BAI-5	Baitimir	53.1	96.6	43.5	0.27
total or ave			102.0	83.5	0.33

Hole No.	Site	From (m)	To (m)	Thickness, (m)	Cu, %
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BAI-6	Baitimir	2.0	23.2	21.2	0.42
BAI-6	Baitimir	26.2	30.7	4.5	0.48
BAI-6	Baitimir	35.2	36.7	1.5	0.18
BAI-6	Baitimir	42.7	48.7	6.0	0.21
BAI-6	Baitimir	56.7	59.7	3.0	0.12
BAI-6	Baitimir	67.2	73.2	6.0	0.22
BAI-6	Baitimir	80.7	82.2	1.5	0.27
BAI-6	Baitimir	86.1	87.6	1.5	0.22
BAI-6	Baitimir	89.1	95.1	6.0	0.12
total or ave			129.0	51.2	0.31

Hole No.	Site	From (m)	To (m)	Thickness, (m)	Cu, %
BAI-7	Baitimir	2.0	9.0	7.0	0.13
BAI-7	Baitimir	18.4	30.3	11.9	1.40
BAI-7	Baitimir	67.3	72.8	5.5	0.21
BAI-7	Baitimir	95.1	96.6	1.5	0.13
BAI-7	Baitimir	102.6	105.6	3.0	0.21
total or ave			110.0	28.9	0.68

Hole No.	Site	From (m)	To (m)	Thickness, (m)	Cu, %
BAI-8	Baitimir	1.8	53.9	52.1	0.19
BAI-8	Baitimir	60.9	62.4	1.5	0.10
BAI-8	Baitimir	117.9	119.4	1.5	0.42
total or ave			152.6	55.1	0.19

Hole No.	Site	From (m)	To (m)	Thickness, (m)	Cu, %
BAI-9	Baitimir	5.0	12.5	7.5	0.35
BAI-9	Baitimir	14.0	15.5	1.5	0.12
BAI-9	Baitimir	16.6	21.4	4.8	0.36
BAI-9	Baitimir	23.3	37.4	14.1	0.49
BAI-9	Baitimir	43.5	44.5	1.0	0.19
BAI-9	Baitimir	50.2	53.2	3.0	0.22
BAI-9	Baitimir	56.2	62.0	5.8	3.52
total or ave			72.5	37.7	0.87

Hole No.	Site	From (m)	To (m)	Thickness, (m)	Cu, %
BAI-10	Baitimir	8.9	16.4	7.5	0.18
BAI-10	Baitimir	17.9	27.3	9.4	0.23
BAI-10	Baitimir	31.6	36.2	4.6	0.19
BAI-10	Baitimir	38.9	42.4	3.5	0.17
BAI-10	Baitimir	44.0	52.0	8.0	0.18
BAI-10	Baitimir	54.0	56.9	2.9	0.31
BAI-10	Baitimir	58.0	60.6	2.6	0.32

BAI-10	Baitimir	62.1	64.3	2.2	0.24
BAI-10	Baitimir	65.1	66.6	1.5	0.24
BAI-10	Baitimir	72.8	75.6	2.8	0.25
BAI-10	Baitimir	80.0	83.0	3.0	0.16
BAI-10	Baitimir	89.0	93.3	4.3	0.23
BAI-10	Baitimir	96.3	97.4	1.1	0.68
BAI-10	Baitimir	104.9	106.4	1.5	0.14
BAI-10	Baitimir	112.3	115.2	2.9	0.29
BAI-10	Baitimir	118.2	121.2	3.0	0.14
total or ave			126.0	60.8	0.22

Hole No.	Site	From (m)	To (m)	Thickness, (m)	Cu, %
BAI-11	Baitimir	44.0	47.0	3.0	0.15
total or ave			117.3	3.0	0.15

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